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Note: Answered orally
by [redacted]
reps. on 16 Mar. 56

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[redacted]

Washington, D. C.

Attention: [redacted]

Reference: [redacted]

Task VI, [redacted]

Dear [redacted]

The [redacted] Task VI, requires in addition to other matters that "the task will be concluded with the submission of a final report, setting forth the findings of the contractor." This matter has been receiving some attention. The time is approaching when this final report will be due, and we are therefore submitting a rough outline of such a final report for your consideration. There will be continuing features in this work which cannot yet be finalized for obvious reasons considering the over-all project, and for this reason we are particularly desirous of having you review the proposed outline. It would be appreciated if you would kindly consider the outline and forward your comments at your earliest opportunity. If, by chance, you approve of the outline for the final report, please so indicate.

The outline we propose to follow is:

Final Report

Radio Locating System

I. Introduction

A. Statement of Problem

B. Basic Analysis of Proposed System

Block Diag + State of Fund.

~~II. Planning and Development of System~~

A. Detailed analysis of operations of proposed system

1. Equipment requirements

2. Propagation analysis

3. Analysis of time delay data requirements

II

~~B. Equipment Development~~

1. Pulse generating and shaping equipment

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- 2. Keying systems *of*
- 3. Modifications ~~required to fit commercially available equipments to the system~~
- 4. Control equipments ~~for use~~ at the master station and at the out stations *and*
- 5. Timing system ~~together with the recording system development~~
- 6. Typical Antenna layout s.

C. Measurement and Recording Techniques

- 1. Equipment time delay measuring technique
- 2. Recording system - dual beam oscilloscope photographic technique film processing

III. Discussion of Operations

A. Preliminary closed circuit tests

- 1. Stability of operation
- 2. Reliability of time delay measurements
- 3. Factors affecting time delay measurements

B. Systems tests

- 1. Operating frequency assignments
- 2. Installation and initial tests - single leg operation complete system tests

IV. Summary

- A. Discussion of operations with particular reference to stability and reliability
- B. Recommendations regarding equipments and suggested further studies

The foregoing is in general the outline it is proposed to follow in the final report. The emphasis will be largely on equipment developments, measuring techniques and stability of equipments. No final over-all evaluation is, as we understand, either possible or expected. However, in a sense, this report may possibly be considered as an equipment evaluation when it is considered that the question of stability, reliability of time delay measurements, etc., are included.

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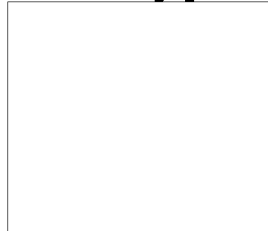
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Will you kindly review this outline and advise us at your earliest opportunity whether or not this has your approval. In addition, it would be appreciated if you would kindly include suggestions you may have for possible changes or modifications.

With personal regards.

Sincerely yours,



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